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APPLICATION NO.	FILIT	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.		
09/872,586	06/01/2001		Kevin Alexander Stoodley	CA920000035US1	2632		
25259	7590	10/20/2004		EXAM	EXAMINER		
IBM CORPO			TANG, KU	TANG, KUO LIANG J			
DEPT. T81 / I			ART UNIT	PAPER NUMBER			
		LE PARK, NC	2122				

DATE MAILED: 10/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

·	Application No.	Applicant(s)	Ŵ
Office Action Summary	09/872,586	STOODLEY, KEV	'IN ALEXANDER
Office Action Summary	Examiner	Art Unit	
The MAII INC DATE of this communication ann	Kuo-Liang J Tang	2122	
Since this application is in condition for allowan closed in accordance with the practice under Exposition of Claims	'IS SET TO EXPIRE 3 MONTH(6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE date of this communication, even if timely filed 204 action is non-final. ce except for formal matters, pro	ely filed will be considered timel the mailing date of this co (35 U.S.C. § 133). may reduce any	y: ommunication.
4) ☐ Claim(s) 1-30 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-30 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or			
Application Papers			•
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) acceed applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the original transfer and tra	epted or b) objected to by the E drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CF	• •
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list of 	have been received. have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No d in this National	Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te	D-152)

DETAILED ACTION

1. This Office Action is in response to the amendment filed on 9/7/2004.

Claims 1-30 are pending.

Response to Arguments

2. Applicant's arguments with respect to claims 1-30 have been considered but they are not persuasive.

Claims 1-5, 11-18 and 21-30 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Holzle in view of Bacon.

Claims 6-10 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Holzle in view of Bacon, further in view of Harriman.

Claims 19-20 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Holzle in view of Bacon, further in view of Lee, further in view of Shimura.

In the remarks, the applicant argues that:

1. The Applicant argues that the reasons for combining Holzle and Bacon are tenuous (see RE page 6, lines 21-24 to page 7, lines 1-10). Bacon has nothing to do with polymorphic inline caches (PlCs), or the problems associated with them. Holzle utilizes PICs as a way to reduce the overhead polymorphic message sends by extending inline caches. Multi-threading is not apparently discussed in Holzle. Bacon has nothing to do with PICs and implementing a polymorphic call site. (see RE page 6, lines 21-24 to page 7, lines 1-10).

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2. The Applicant argues that the reasons for combining Holzle and Harriman are even more tenuous. Haniman has nothing to do with object oriented technology.

These slots do not teach, suggest or disclose anything with respect to a slot in a PIC.

Harriman has nothing to do with object oriented technology. (see RE page 7, lines 11-21)).

Examiner's response:

1. The examiner disagrees with Applicant's assertion that the reasons for combining Holzle and Bacon are tenuous. In fact, Holzle does not teach multi-thread and lock / unlock. However, Bacon teaches multi-thread and lock / unlock. Therefore combine Bacon with Hozle to cure the deficiencies of Holzle for the purpose to be used as the basis for a very fast implementation of the synchronization facilities of the Java (object oriented language.

The examiner interprets Holzle's "case" to mean "slot" and Bacon's "thread" to mean "slot". Only Bacon's aspect of multithread and lock / unlock are being used to combined with Holzle which already provided PIC.

2. The examiner disagrees with Applicant's assertion that the reasons for combining Holzle and Haniman are tenuous. In fact, as noted above of Examiner's response 1. The examiner interprets Holzle's "case" to mean "slot" and Bacon's "thread" to mean "slot". Haniman teaches "Tracking of entries in the free token queue 115 may be accomplished by maintaining a list of available slots" (E.g. see Office Action, dated

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4/5/2004, page 13, lines 6-9). Therefore, combine Haniman with Holzle and Bacon to track free token queue with array of bits indicating the status of each slot. Only Haniman's aspect of indicating slot status is used to combined with Holzle which already provided PIC.

Conclusion

3. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Correspondence Information

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kuo-Liang J Tang whose telephone number is 703-305-4866. The examiner can normally be reached on 8:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam can be reached on 703-305-4552. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

After October 25, 2004, examiner can be reached at new telephone number (571) 272-3705, and the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kuo-Qiang J. Tang

Software Engineer Patent Examiner

ANTONY NGUYEN-BA PRIMARY EXAMINER

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